U.S. Army RDE Command (Prov)

- Supporting the Objective Force -

Technology Solutions for a Full Spectrum Force:

Agile Development

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Agile Development Center

(SOSI)

RDECOM (Prov)

Full Spectrum Dominance

The ability of US forces, operating unilaterally or in combination with multinational and interagency partners, to defeat any adversary and control any situation across the full range of military operations

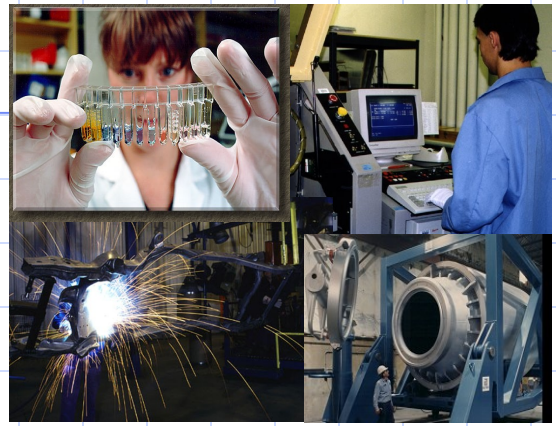
Development Environment = Different

Assumptions

- ✓ US will remain engaged globally
- ✓ Potential adversaries will have access to same technologies
- ✓ Potential adversaries will adapt to US capabilities
- ✓ Full Spectrum Implications =
  - Transformation – Multidimensional
  - Joint – Interagency – Non-governmental
  - Resource Constrained Force – Yesterday's decisions today

The traditional way of delivering technology solutions to the warfighter will no longer work!

Blending of Technologies, Time and Space



TIME

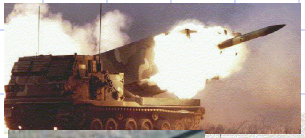
ACCELERATION OF TECHNOLOGIES & COMPLEXITY

FCS
NETWORKED FIRES
OBJECTIVE FORCE WARRIOR

COMANCHE

APACHE (D)
M1A2SEP
JTRS

IAV



FBCB2
ABCS

APACHE (C
HELLFIRE
JAVELIN
SINGARS

APACHE (A)
M1
MLRS

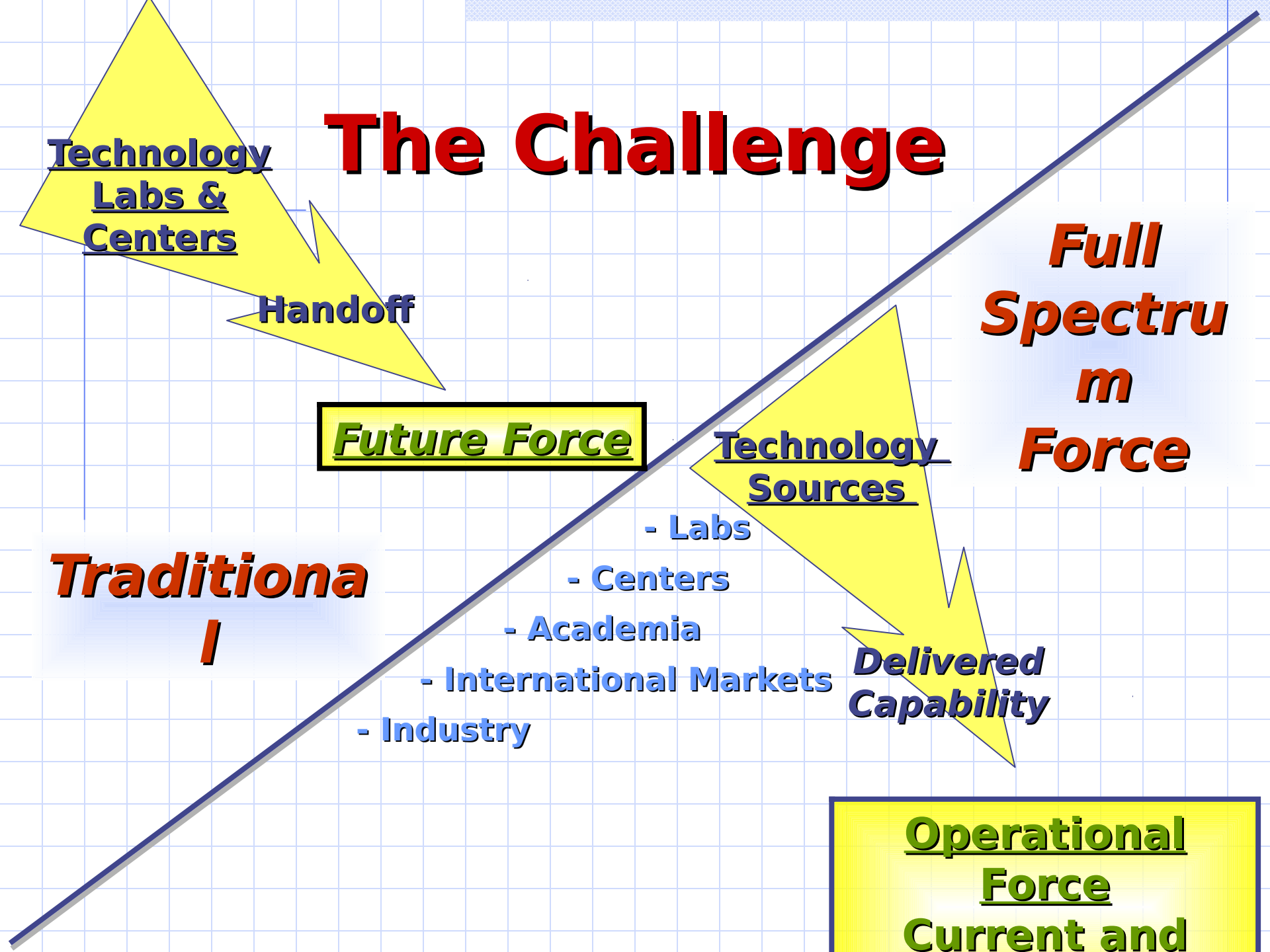
Systems of Systems Integration

= ?

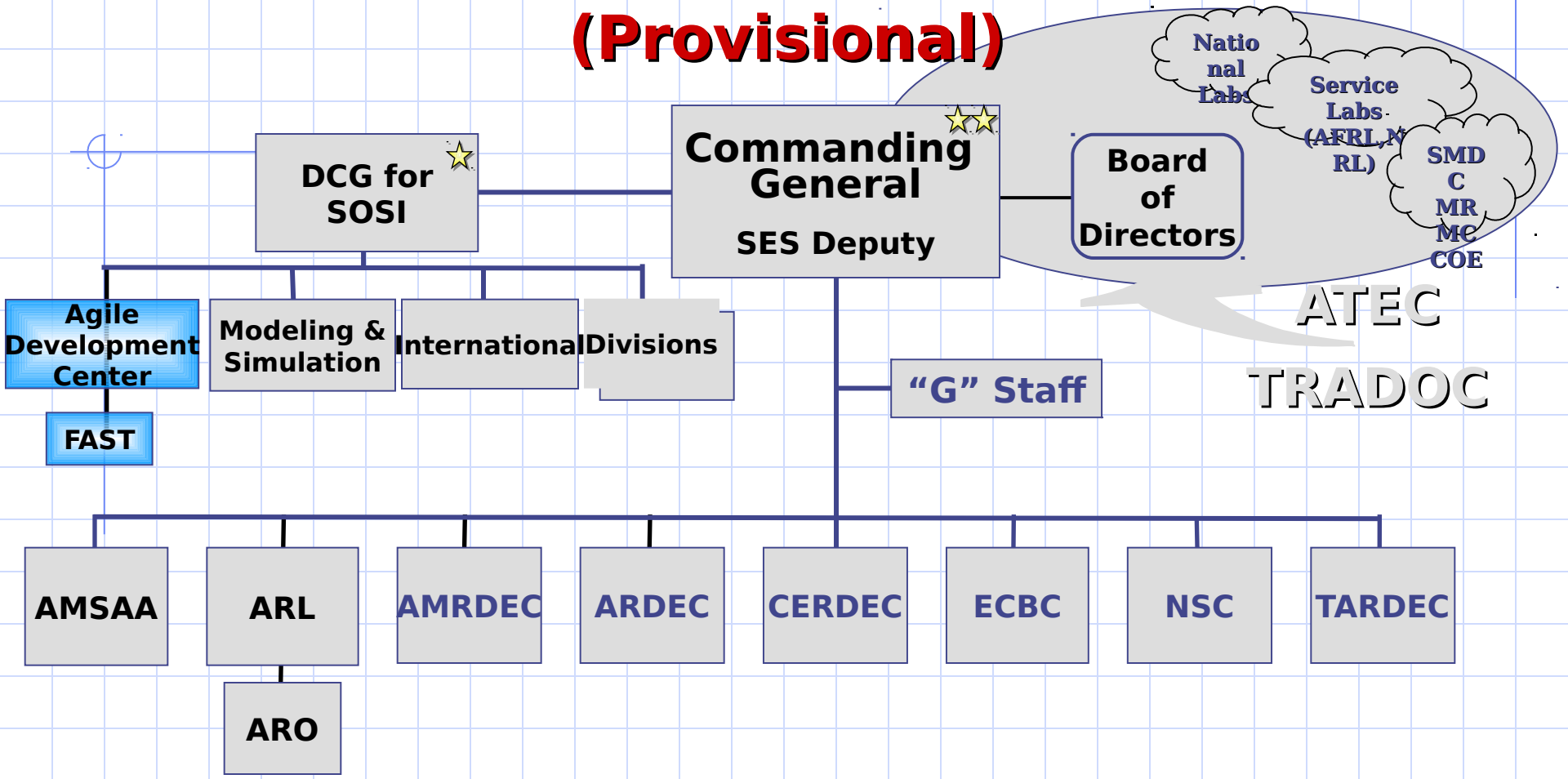
INDEPENDENT ORGANIZATIONS

INTERDEPENDENT ORGANIZATIONS

The Challenge



Research, Development and Engineering Command (Provisional)



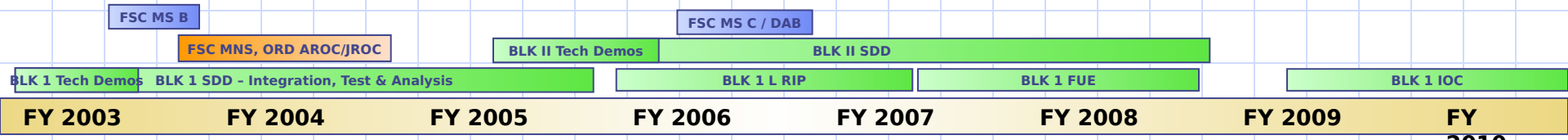
ARDEC = Armament Research, Development & Engineering Center
AMRDEC = Aviation & Missile Research, Development & Engineering Center
AMSAA = Army Materiel Systems Analysis Activity
ARL = Army Research Laboratory
ARO = Army Research Office
ATEC = Army Test & Evaluation Command
CERDEC = Communications Electronics Research, Development & Engineering Center
ECBC = Edgewood Chemical Biological Research, Development & Engineering Ce
FAST = Field Assistance in Science & Technology (Combatant Commands & Train
NSC = Natick Soldier Center
SOSI = Systems of Systems Integration
TARDEC = Tank Automotive Research, Development & Engineering Center
TRADOC = Training & Doctrine Command

Systems of Systems Integration

RDE Command BOD
DCG, SOSI

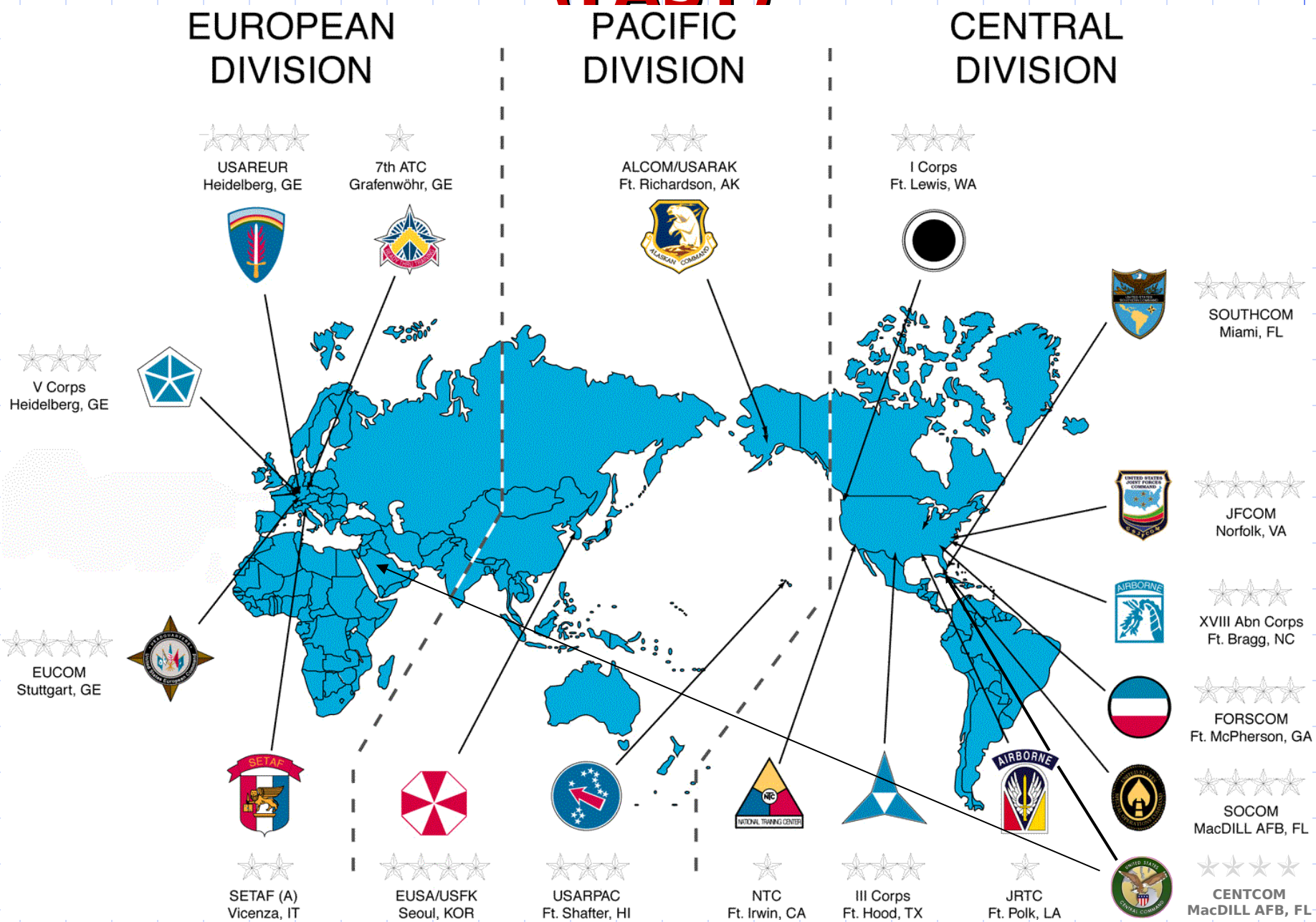
Capability Management IPTs
Technology Integration IPTs
Agile Development Center
Quarterly Laboratory Reviews
M&S Collaborative Environment
International Opportunities Database

- Linkage with PEOs/PMs/Contractors
- Strategy for Supporting Future S&T
- Technology Insertion & Sustainment Support
- AIPs & MOUs with stakeholders (TRADOC, DOE, ATEC, etc.)
- Strategic Communications in a collaborative environment.



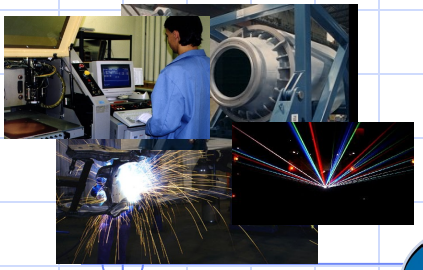
Stay Ahead of Capabilities & Technologies

Linkage to Combatant Commands (FAST)



Agile Development Center

➢ Linking ➢ Facilitating ➢ Expediting



Industry

DARPA

Natick Soldier Center

International Markets

FAST

Battle Labs

AMRDEC Aviation & Missile RD&E Center

Academia

REF

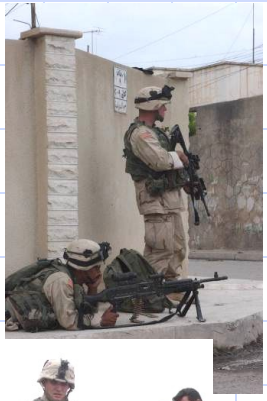
Seeking “Good Ideas” that make a difference

Rapid Development

Rapid Equipping (Teaming)

Rapid Sustainment (Teaming)

Disengagement

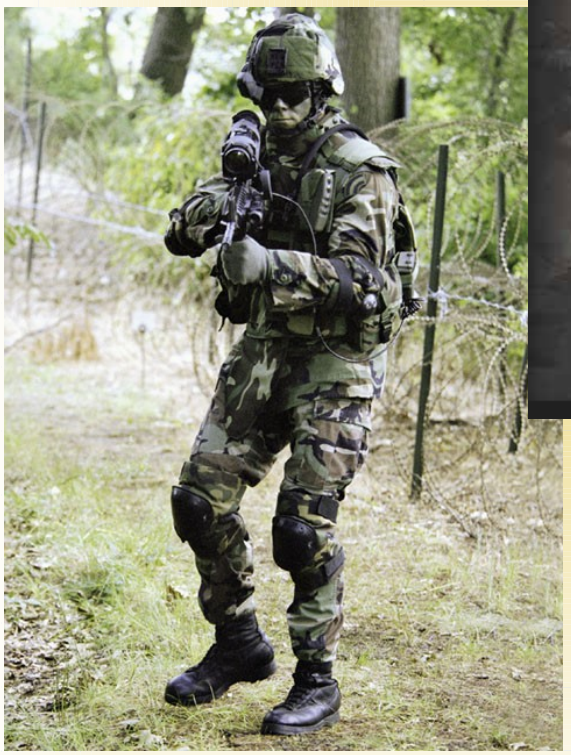


Fighting Warriors

Bottom Line = The Soldier!

Timely!

Agile!



Valued!

Quick!

Responsive!